Washer

User manual

WA21J7700G*

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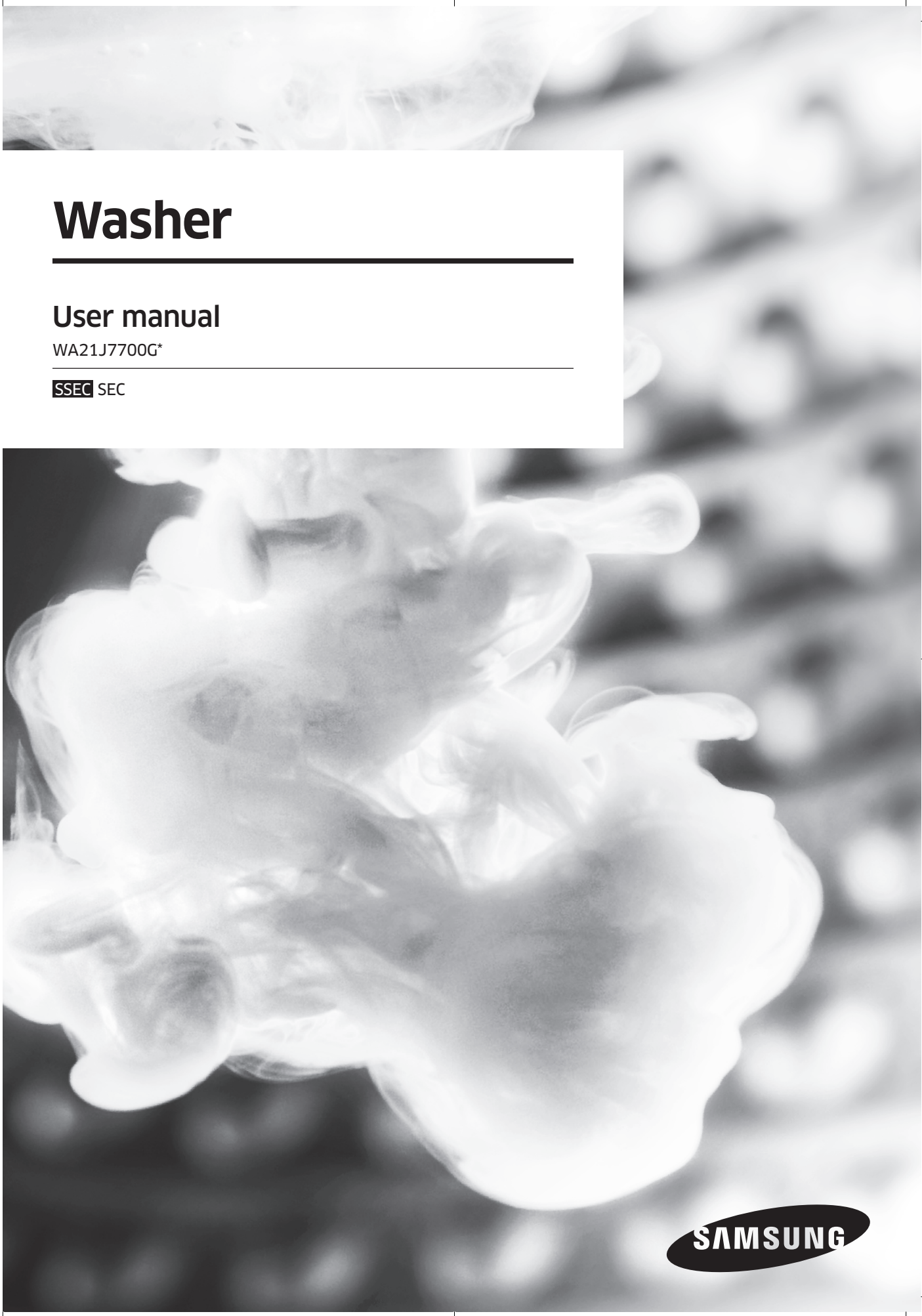

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Safety information

Congratulations on your new Samsung washer. This manual contains important information on the installation, use and care of your appliance. Please take some time to read this manual to take full advantage of your washer's many benefits and features.

What you need to know about the safety instructions

Please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance. Please store the manual in a safe location close to the appliance for future reference. Use this appliance only for its intended purpose as described in this instruction manual.
Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution and care when installing, maintaining and operating your washing machine.
Because the following operating instructions cover various models, the characteristics of your washing machine may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service centre or find help and information online at www.samsung.com.

Important safety symbols

What the icons and signs in this user manual mean:

⚠ WARNING

Hazards or unsafe practices that may result in **severe personal injury, death and/or property damage**.

⚠ CAUTION

Hazards or unsafe practices that may result in **personal injury and/or property damage**.

NOTE

Indicates that a risk of personal injury or material damage exists.

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These warning signs are here to prevent injury to yourself and others.
Please follow them explicitly.
After reading this manual, store it in a safe place for future reference.

Read all instructions before using the appliance.

As with any equipment that uses electricity and moving parts, potential hazards exist. To safely operate this appliance, familiarize yourself with its operation and exercise care when using it.

Important safety precautions

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

Do not let children (or pets) play in or on your washing machine. The washing machine door does not open easily from the inside and children may be seriously injured if trapped inside.

This appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

For use in Europe: This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

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Safety information

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

This appliance should be positioned so that the power plug, the water supply taps, and the drain pipes are accessible.

For appliances with ventilation openings in the base, that a carpet must not obstruct the openings.

The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.

⚠ CAUTION

In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

⚠ CAUTION

Do not use the water to exceed 50 °C when using the hot water in your washing machine.
Plastic parts may be deformed or damaged, and this may result in electric shock or fire.

Critical installation warnings

⚠ **WARNING**

The installation of this appliance must be performed by a qualified technician or service company.

- Failure to do so may result in electric shock, fire, an explosion, problems with the product, or injury.

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Plug the power cord into an AC 220 V / 50 Hz wall socket or higher and use the socket for this appliance only. Never use an extension cord.

- Sharing a wall socket with other appliances using a power strip or extending the power cord may result in electric shock or fire.
- Ensure that the power voltage, frequency, and current are the same as those of the product specifications. Failure to do so may result in electric shock or fire. Plug the power plug into the wall socket firmly.

Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.

- Unplug the power plug and clean it with a dry cloth.
- Failure to do so may result in electric shock or fire.
- Plug the power plug into the wall socket so that the cord is running towards the floor. If you plug the power plug into the socket in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.

This appliance must be properly grounded.
Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- This may result in electric shock, fire, an explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national regulations.

Do not install this appliance near a heater or any inflammable material.
Do not install this appliance in a humid, oily or dusty location, or in a location exposed to direct sunlight or water (rain drops).

Do not install this appliance in a location exposed to low temperatures.

- Frost may cause the tubes to burst.

Do not use an electric transformer.

- This may result in electric shock or fire.

Do not use a damaged power plug, damaged power cord, or loose wall socket.

- This may result in electric shock or fire.

Do not pull or excessively bend the power cord.
Do not twist or tie the power cord.
Do not hook the power cord over a metal object, place a heavy object on the power cord, Insert the power cord between objects, or push the power cord into the space behind the appliance.

- This may result in electric shock or fire.

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Safety information

Installation cautions

⚠ CAUTION

This appliance should be positioned in such a way that the power plug is easily accessible.
- Failure to do so may result in electric shock or fire due to electric leakage.

Critical usage warnings

⚠ WARNING

If the appliance is flooded, turn off the water & power supplies immediately and contact your nearest service centre.
- Do not touch the power plug with wet hands.
- Failure to do so may result in electric shock.

If the appliance generates a strange noise, a burning smell, or smoke, unplug the power plug immediately and contact your nearest Samsung Customer Service.
- Failure to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.
- Do not use a ventilating fan.
- A spark may result in an explosion or fire.

Do not let children play in or on the washing machine. In addition, when disposing of the appliance, remove the lid.
- If trapped inside the product, children may suffocate to death.

Do not wash items contaminated with gasoline, kerosene, benzene, paint thinner, alcohol or other inflammable or explosive substances.
- This may result in electric shock, fire, or an explosion.

Do not touch the power plug with wet hands.
- This may result in electric shock.

Do not insert your hand or a metal object under the washing machine while an operation is in progress.
- This may result in injury.

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Do not attempt to repair, disassemble, or modify the appliance yourself.
- Do not use a fuse (such as copper, steel wire, etc.) other than a standard fuse.
- When the appliance needs to be repaired or reinstalled, contact your nearest service centre.
- Failure to do so may result in electric shock, fire, problems with the product, or injury.
- In this case, the product will not be covered by the standard warranty provided by Samsung and no responsibility can be attributed to Samsung for malfunctions or damages resulting from doing it.

Unplug the power plug when the appliance is not being used for long periods of time or during a thunder or lightning storm.
- Failure to do so may result in electric shock or fire.

Do not put your hand into the spinning tub during the spin cycle.
- This may result in injury. If the tub does not stop spinning within 15 seconds after you open the lid, contact your nearest Samsung Customer Service.

Usage cautions

⚠ CAUTION

When the washing machine is contaminated by a foreign substance such as detergent, dirt, food waste, etc., unplug the power plug and clean the washing machine using a damp, soft cloth.
- Failure to do so may result in discolouration, deformation, damage, or rust.

The product you have purchased is designed for domestic use only.
Using the product for business purposes qualifies as a product misuse. In this case, the product will not be covered by the standard warranty provided by Samsung and no responsibility can be attributed to Samsung for malfunctions or damages resulting from such misuse.

Do not stand on the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
- This may result in electric shock, fire, problems with the product, or injury.

Do not press the buttons using sharp objects such as pins, knifes, fingernails, etc.
- This may result in electric shock or injury.

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Safety information

Critical cleaning warnings

⚠ **WARNING**

Do not clean the appliance by spraying water directly onto it.

Do not use the strong acid cleaning agent.

Before cleaning or performing maintenance, unplug the appliance from the wall socket.

- Failure to do so may result in electric shock or fire.

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Installation

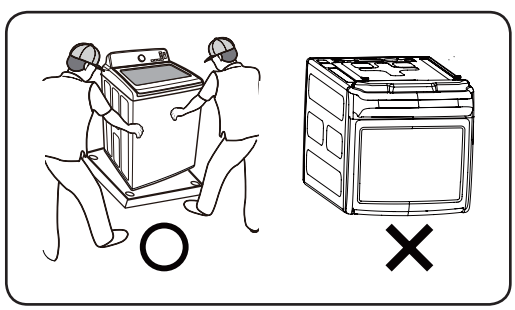
Follow these instructions carefully to ensure proper installation of the washer and to prevent accidents when using it.

Unpacking your washer

Unpack your washer and inspect it for shipping damage. Make sure you have received all the items shown below. If your washer was damaged during shipping, or you do not have all of the items, contact 1800-88-9999, 603-77137477.
To prevent personal injury or strain, wear protective gloves whenever lifting or carrying the unit.

⚠ WARNING

Packing materials can be dangerous to children; Keep all packing material (plastic bags, polystyrene, etc.) well out of children's reach.



⚠ CAUTION

When unpacking the washer, 2 person collaboration is needed. To remove the cushion bottom of the packing materials, forward dumping is strictly prohibited.

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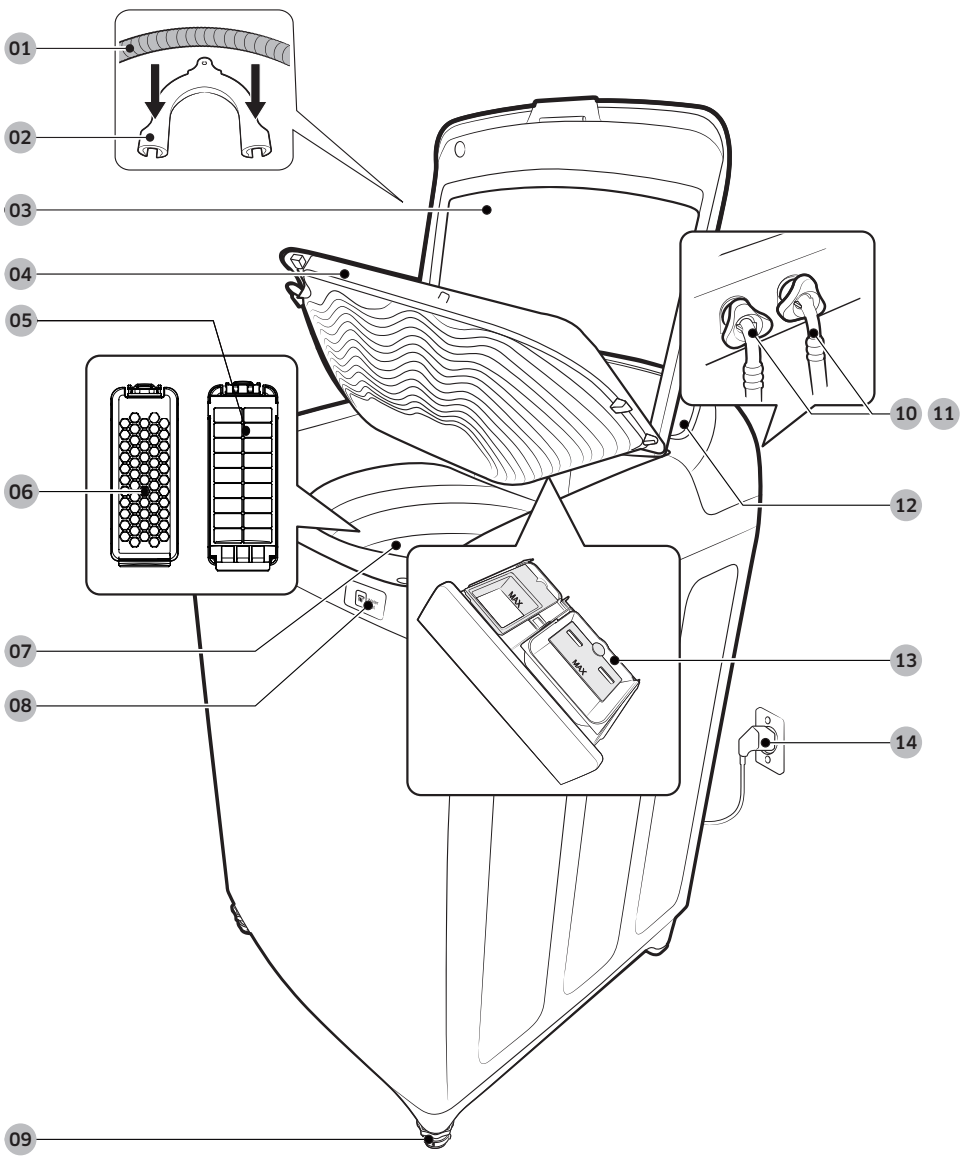
Installation

Overview of your washer

Make sure all the parts are included in the product package. If you have a problem with the washer or the parts, contact a local Samsung customer center or the retailer.



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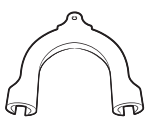
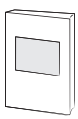
01 Drain hose
02 Hose guide
03 Lid
04 Built-in sink
05 Filter-rear
06 Filter-front
07 Tub
08 Water Jet
09 Leveling feet
10 Water hose (Cold)
11 Water hose (Hot)
12 Control panel
13 Detergent drawer
14 Power cord

Parts supplied


Hose guide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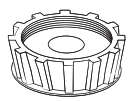
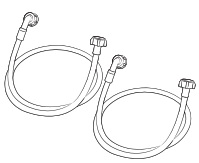
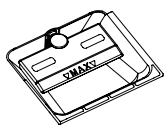
Plastic zip hose tie


Water intake cap

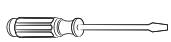

Water supply hoses

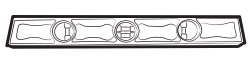


Assy drawer liquid

Tools needed for installation

Wrench


Flat screwdriver


Leveller

NOTE

- If you lose an accessory and want to purchase a replacement, contact the Samsung service center 1800-88-9999, 603-77137477.
- The design of the parts and accessories may differ from the pictures above. Their design is subject to change without notice for product improvement.
- Do not reuse old hoses. Only use new water supply hoses when you install the washer. Old water supply hoses can leak or burst causing flooding and property damage.
- Confirm that there are rubber washers inside each coupling of the water supply hoses.

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Installation

Basic location requirements

Electrical

- 220 Volt 50 Hz fuse or circuit breaker.
- Individual branch circuit serving only your Washer is recommended.
- Your washer is equipped with a power cord.

⚠ CAUTION

Never use an extension cord.

Grounding

Electrical grounding is required for this appliance.

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.
This appliance is equipped with a power cord having a three-prong grounding plug for use in a properly installed and grounded outlet.
The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠ WARNING

An improperly connected equipment-grounding conductor can increase the risk of electrical shock. Check with a qualified electrician or serviceman if you are not sure whether the appliance is properly grounded. Do not modify the plug provided with the appliance – if it does not fit the outlet, have a proper outlet installed by a qualified electrician.

Important safety precautions

To prevent unnecessary risk of fire, electrical shock or personal injury, all wiring and grounding must be done in accordance with the National Electrical Code ANSI/ FNPA, No.70 Latest Revision and local codes and ordinances. It is the personal responsibility of the appliance owner to provide adequate electrical service for this appliance.

⚠ CAUTION

Never connect the ground wire to plastic plumbing lines, gas lines, or hot water pipes.

Water

To correctly fill your Washer in the proper amount of time, water pressure of 20 to 116psi (137 to 800kPa) is required.
Water pressure less than 20 psi may cause water valve failure, or may not allow the water valve to shut off completely, or may extend the fill time beyond what your Washer controls allow, causing your Washer to turn off. A time limit is built into the controls to prevent flooding in your home if a hose becomes loose.
The water faucets must be within 4 feet (122 cm) to the back of your Washer to match the inlet hoses provided with your Washer.

NOTE

Accessory inlet hoses are available in various lengths up to 10 feet (275 cm) for faucets that are further away from the back of your washer.
To avoid the possibility of water damage:

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- Have water faucets easily accessible.
- Turn off faucets when the washer is not in use.
- Periodically check that there is no leakage from the water inlet hose fittings.

⚠ WARNING

Check all connections at the water valve and faucet for leaks

Drain facility

The recommended height of the standpipe is 39 in (99 cm). The drain hose must be routed through the drain hose clip to the standpipe. The standpipe must be large enough to accept the outside diameter of the drain hose. The drain hose is attached to the washer at the factory.

Flooring

For best performance, you must install your washer on a solidly constructed floor. Wood floors may need to be reinforced to minimize vibration and/or unbalanced load situations. Carpeting and soft tile surfaces are contributing factors to vibration which can cause your washer to move slightly during the spin cycle.
Never install your washer on a platform or weakly supported structure.

Location considerations

Do not install your washer in areas where water may freeze, since your washer will always retain some water in its water valve, pump, and hose areas. Frozen water can damage the belts, the pump, hoses, and other components.

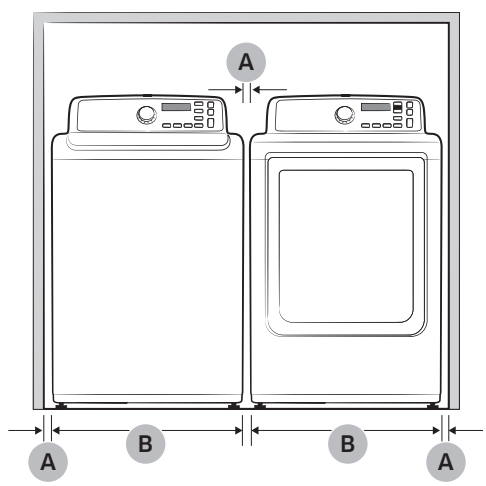
Alcove or closet installation

Minimum clearances for closet and alcove installations:

Sides	1 in / 25 mm	Closet front	2 in / 51 mm
Rear	6 in / 152 mm	Top	21 in / 533 mm

If the washer and dryer are installed together, the closet front must have at least a 72 in^2 (465 cm^2) unobstructed air opening. Your washer alone does not require a specific air opening.

Recessed area



A	1 in (2.5 cm)
B	27.0 in (68.6 cm)

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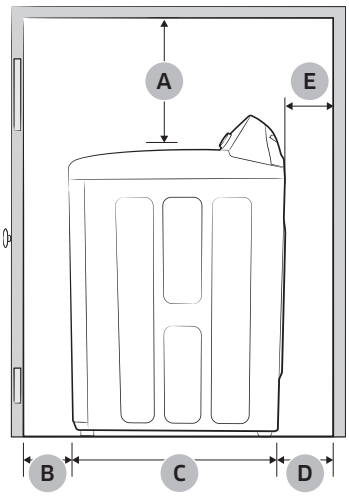
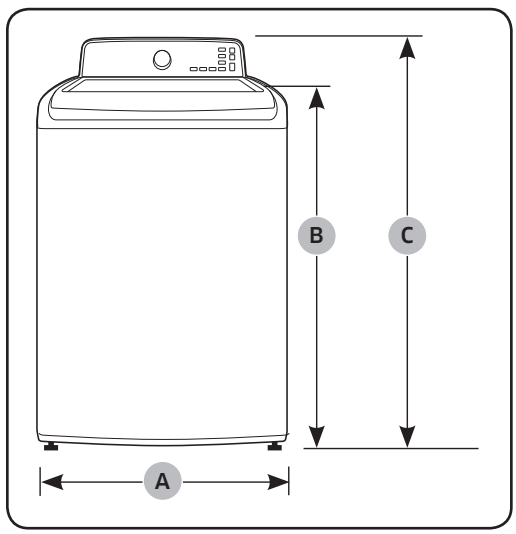
Installation

Side view - closet or confined area

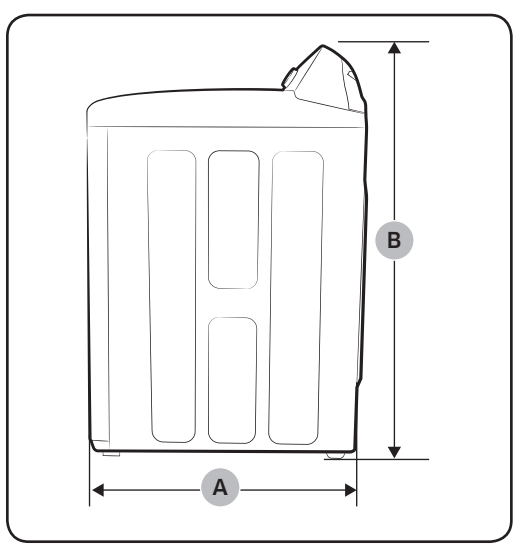


A	21 in (53.3 cm)
B	2 in (5.1 cm)
C	29.3 in (74.4 cm)
D	6 in (15.2 cm)
E	Gap between end of water valve and the wall • Case 1. Assemble supply hose after installing : Over 3.9 in (10 cm). • Case 2. Assemble supply hose before installing : Over 2.8 in (7 cm).

Required dimensions for Installation



A	27.0 in (68.6 cm)
B	39.2 in (99.5 cm)
C	45.1 in (114.5 cm)



A	29.3 in (74.4 cm)
B	45.1 in (114.5 cm)

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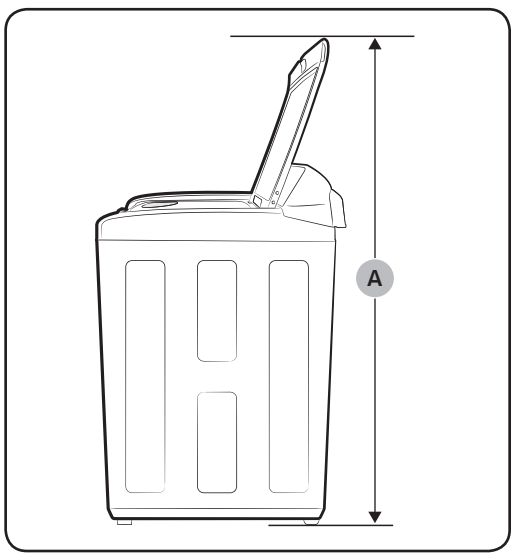
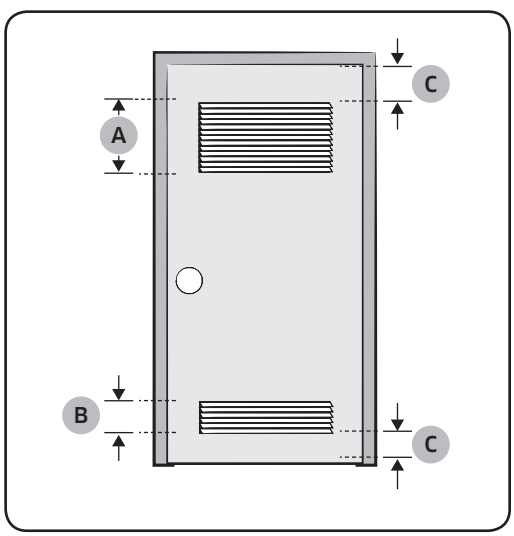


A	59.8 in (152.0 cm)



A*	48.0 in^2 (310.0 cm^2)
B*	24.0 in^2 (155.0 cm^2)
C	3.0 in (7.6 cm)

NOTE

* Required spacing

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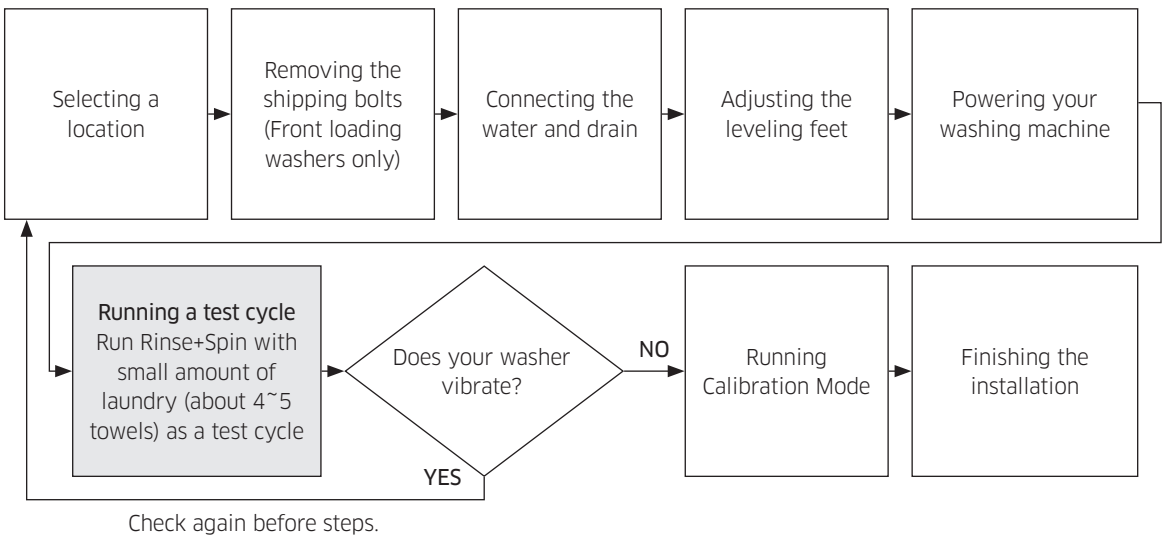
Installation

Important note to installer

Please read the following instructions carefully before installing your washer.
These instructions should be retained for future reference.
We recommend you hire a professional to install this washer.

Installation flow chart


Selecting a location
Removing the shipping bolts (Front loading washers only)
Connecting the water and drain
Adjusting the leveling feet
Powering your washing machine
Running a test cycle
Run Rinse+Spin with small amount of laundry (about 4~5 towels) as a test cycle
Does your washer vibrate?
NO
YES
Running Calibration Mode
Finishing the installation
Check again before steps.

Step-by-step installation

STEP 1 Selecting a location

NOTE

Before you install the washer, make sure the location:

- Has a hard, level surface without carpeting or flooring that may obstruct ventilation.
- Is away from direct sunlight.
- Has adequate ventilation.
- Is not exposed to freezing temperatures (temperatures under 32 °F or 0 °C).
- Is away from heat sources such as oil or gas.
- Has enough space so that the washer doesn't rest on its power cord.

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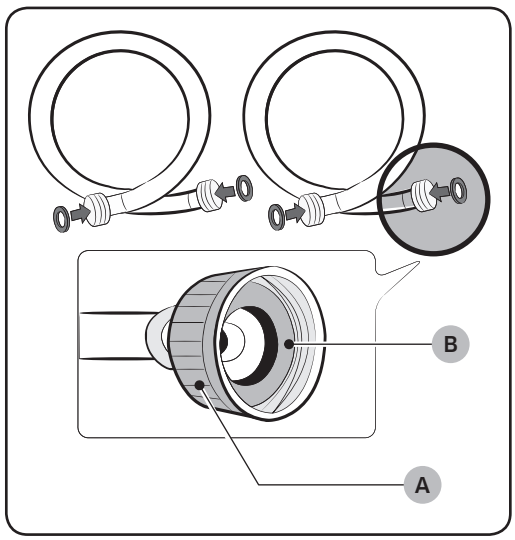
STEP 2 Connecting the water supply hose



⚠ CAUTION

Before installing the water supply hoses, make sure there are **rubber gaskets (B)** inside the **couplings (A)** at both ends of each new water hose. Installing the water supply hoses without rubber gaskets can cause water leakage.

⚠ CAUTION

When you initially install the washer, be sure to use new hoses. Failing to do so may result in a water leakage or overflow and may damage your property.

⚠ CAUTION

Do not connect multiple water supply hoses together to increase the length of the supply hose. Hoses connected this way can leak and the leakage can cause electrical shock. If a hose is too short, replace the hose with a longer, high pressure hose.

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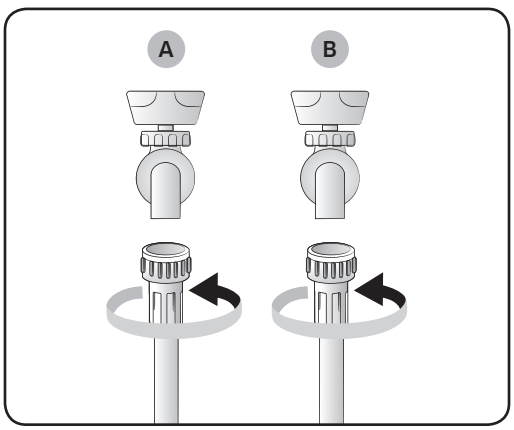
Installation



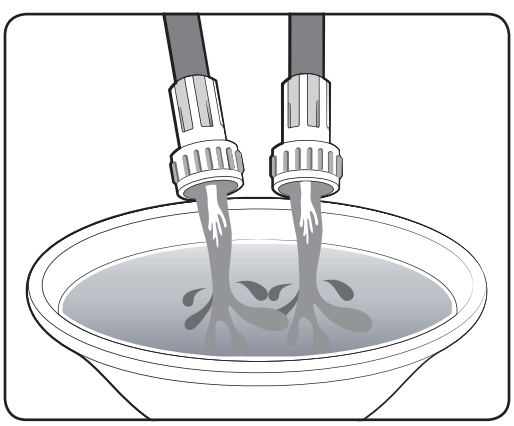
1. Connect the ends of the water supply hoses to the hot (B) and cold (A) faucets.
2. Tighten the fittings by hand until they are snug, and then tighten them an additional two-thirds of a turn with a wrench.

⚠ CAUTION

When you fasten the fittings, do not fasten them too tightly or apply tape or sealant to the faucets or water supply intakes. This can damage the fittings.

NOTE

After you have connected the water supply hoses to the faucets, ensure that they are connected correctly by pulling the water supply hoses downwards.



3. Place the unconnected ends of the hoses into a bucket and open the faucets connected to the two water supply hoses for 10 or 15 seconds to remove any foreign substances from the hoses. Close the faucets before continuing.

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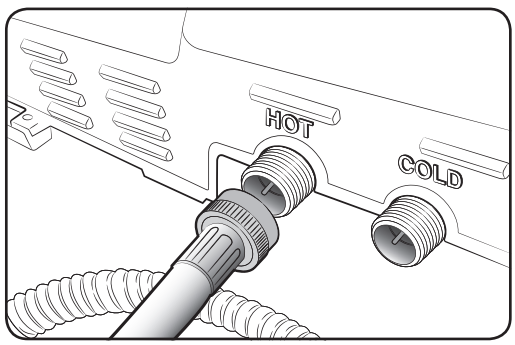

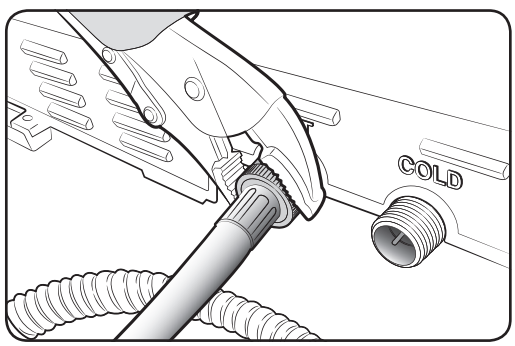

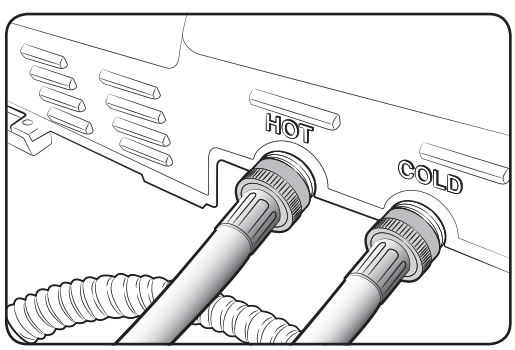

4. Connect the ends of the water supply hoses to the water supply intake connections at the back of the washer.

⚠ CAUTION

The water supply hose connected to the hot faucet must be connected to the hot water supply intake and the water hose connected to the cold faucet must be connected to the cold water supply intake.

5. Tighten the fittings by hand until they are snug, and then tighten them an additional two-thirds of a turn with a wrench.

NOTE

To ensure the correct water usage, connect both the hot and cold water faucets. If either or both are not connected, an “4C” (no fill) code can be displayed.

NOTE

If you do not want to use the hot water supply hose, insert the water intake cap into the hot water supply intake hole. In this case, you must select the **Tap Cold** for the water temperature. If you select the **Tap Cold**, all the lamps for the water temperature options are turned off.

⚠ CAUTION

Confirm that the water supply hoses are not twisted or bent. If the hoses are twisted or bent, the hoses can leak and cause electric shock due to the water leakage.

6. Turn on the hot and cold water supplies and check all the water supply intake connections and the faucets for water leaks.

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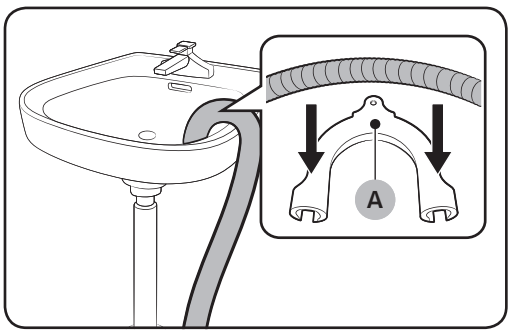
Installation

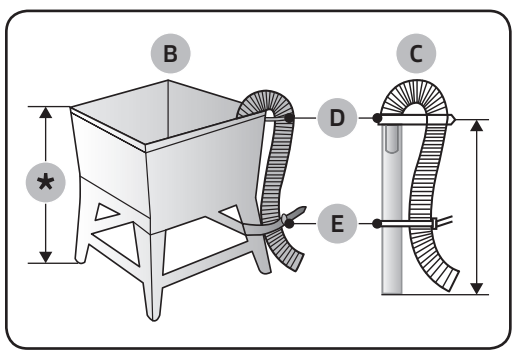
STEP 3 Connecting the drain hose



The end of the drain hose can be positioned in three ways:

Over the edge of a wash basin

Secure the **hose guide (A)** to the side of the basin wall with a hook or to the tap with a piece of string to prevent the drain hose from moving.



In a standpipe or laundry tub

The **standpipe (B)** and **laundry tub (C)** must be no shorter than 39 in (99 cm)* and no longer than 96 in (245 cm)*.

NOTE

- Make sure that the connection between the drain hose and the standpipe is not airtight.
- **D:** Hose retainer, **E:** Tie strap

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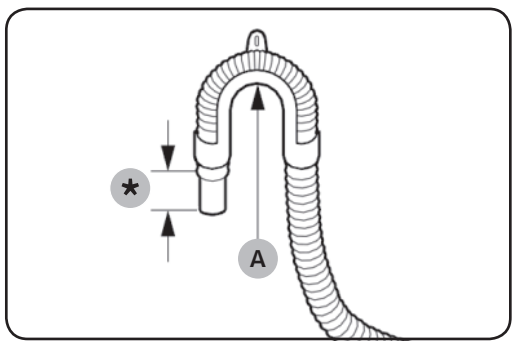


NOTE

Connect the **hose guide (A)** within 4 in (10 cm)* from the end of the drain hose. If the drain hose is extended more than 4 in (10 cm) beyond the end of the hose guide, mold or microorganisms could spread to the inside of the washer.

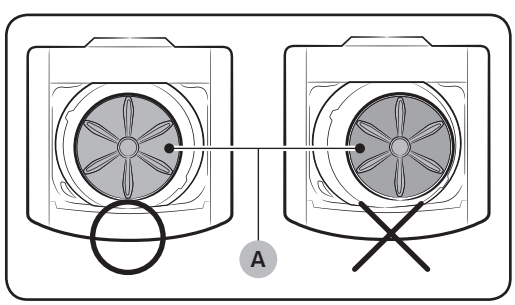
NOTE

The drain hose can be installed to a 96 in (245 cm) maximum, but the draining capability can be reduced at this height. It can cause the washer to have an odor because of remaining water in the drain system.

NOTE

If the drain hose is installed below 39 in (99 cm), water can be drained in cycles due to a siphon phenomenon. It causes the washer to display "**4C**".

STEP 4 Leveling your washer



See if the washer is level by checking the position of the tub:

1. Slide the washer into position.
2. Open the lid of the washer, and pour the water into the tub to just below the pulsator level.

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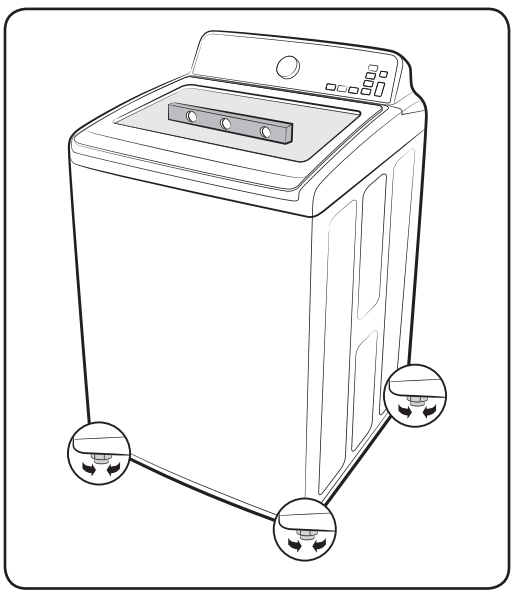
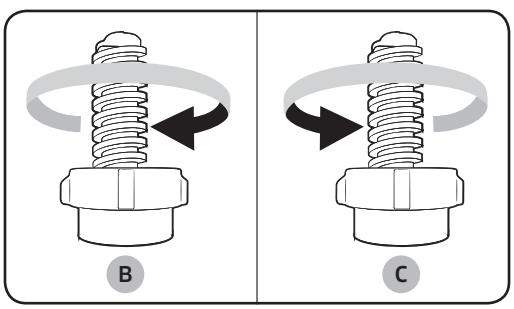
Installation



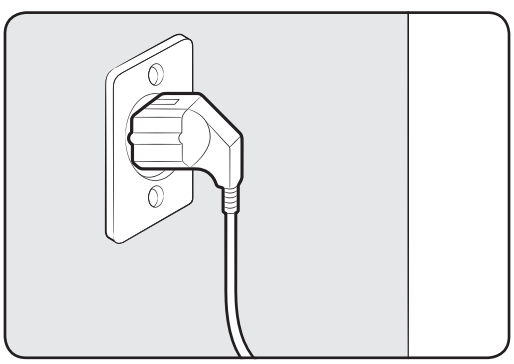


3. If the washer is level, the **pulsator (A)** is positioned at the center of the water as shown in the figure.
If not, level your washer by turning the front leveling feet clockwise or counterclockwise as necessary.

NOTE

Turn the front leveling feet **clockwise (B)** to lower the washer, and **counterclockwise (C)** to raise the washer.

STEP 5 Powering your washer



Plug the power cord into a 3-prong, well grounded 220 volt 50 Hz approved electrical outlet protected by a fuse or comparable circuit breaker.
Your washer is grounded through the third prong of the power cord when plugged into a three-prong grounded electrical outlet.

Test run

Make sure that you install your washer correctly by running the **Rinse+Spin** after the installation is complete.

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STEP 6 Running a test cycle

Run a test cycle as follows to check if your washer is properly installed.

1. Load about 6 pounds of laundry into the tub.
2. Press **Power** to turn on your washer.
3. Select **Rinse+Spin** by turning the **Cycle Selector**.
4. Press **Start/Pause** to start the test cycle.
5. The washer should not rock or vibrate excessively when water is supplied or when washing or spinning, and should drain well during the spin cycle.

NOTE

If water leaks while water is being supplied or drained, check the water connections. Refer to the "**STEP 2 Connecting the water supply hose**" section on page **19** for instructions.

NOTE

If the washer rocks and vibrates excessively, level your washer again. Refer to the "**STEP 4 Leveling your washer**" section on page **23** for instructions.

STEP 7 Calibration Mode

Your Samsung washer detects the laundry weight automatically.
For more accurate weight detection, please run Calibration Mode after the installation.
To run Calibration Mode, follow these steps:

1. Remove laundry or any contents in the machine.
2. Press and hold **Water Level** and **Delay End** simultaneously for at least 3 seconds when the power is turned on.
3. Press **Start/Pause** to activate Calibration Mode.
4. The pulsator rotates clockwise and counterclockwise approximately 1 minute.
5. When Calibration Mode is finished, "**End**" appears on the display, and the washer automatically turns off. The washer is now ready for use.

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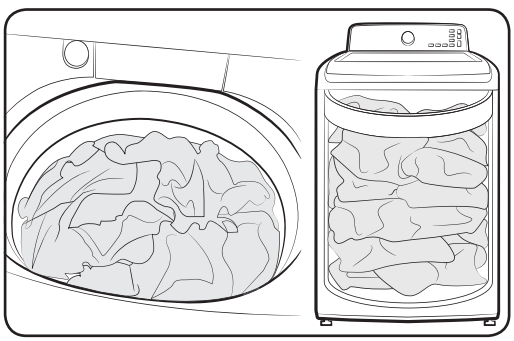
Operating instructions

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

Loading your washer



- Fill the tub with dry, unfolded clothes evenly around in order to enhance washing efficiency and prevent excess wear, or wrinkling of the load.
- For optimal washing performance, make sure the laundry is piled up evenly.
- Wash delicate items such as bras, hosiery, and other lingerie in the Delicates cycle with similar lightweight items.
- When washing big bulky items or a few smaller items that don't fill the tub completely – a rug, a pillow, stuffed toys, or one or two sweaters, for example – add a few towels to improve spin performance.
- Do not insert bulky items except for Bedding in this cycle.

NOTE

During the spin cycle, the washer may add additional water to redistribute the clothes and correct an imbalance inside the drum.

- When washing heavily soiled loads, do not overload your washer to ensure good cleaning results.

To add a forgotten item:

1. Press **Start/Pause** to pause the washer.
2. Wait for the door to unlock automatically, and then open the door.
3. Add the item, close the door, and then press **Start/Pause**. The cycle will resume.

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Getting started

1. Load your washer.
2. Add liquid (or powder) detergent and additives to the dispenser (see the "Detergent use" section on page 37).
3. Select the appropriate cycle and options for the load (see the "Washing a load of laundry" section page 28).
4. Close the lid.
5. Press Start/Pause.
6. The Wash Indicator illuminates.
7. The estimated cycle time will appear in the display.
   The time may fluctuate to indicate the time remaining in the cycle.

NOTE

The actual time required for a cycle may differ from the estimated time in the display depending on the water pressure, water temperature, detergent, and laundry.

8. Before your washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain.

NOTE

- When the cycle is complete, the Door Lock indicator will go out and "End" will appear in the display.
- Pressing Power cancels the cycle and stops your washer.
- The Wash, Rinse, and Spin indicators will illuminate during those portions of the cycle.

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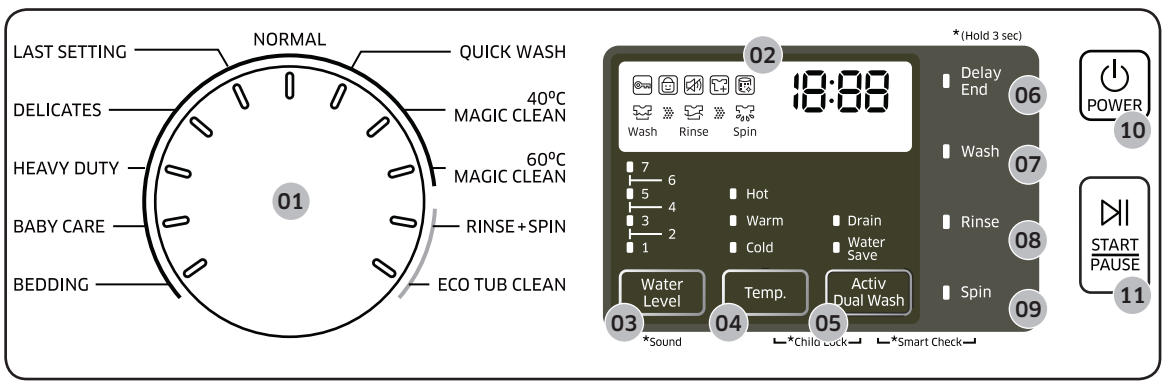
Washing a load of laundry

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons, read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.

Control panel



01 Cycle Selector	Turn the **Cycle Selector** to select the desired cycle. The indicator by the cycle name lights up.
02 Display	Provides instructions and diagnostics while keeping you updated on the cycle status and time remaining.
03 Water Level	The water level is automatically adjusted. However, you can select the water level manually by pressing this button. According to the texture and humidity of clothes, water level and water consumption may differ.
04 Temp.	Press the button repeatedly to cycle through the different water temperature options. • **Hot** - Whites and heavily soiled, colorfast items. • **Warm** - Colorfast items. • **Cold** - Brightly colored, very lightly soiled items.
05 Activ Dual Wash	This button provides two options, and is available only when the washing machine is stopped or in Standby state. • Water Save (default): Reuse water in the tub that remains after using Water Jet. The water will be used for the main cycle. • Drain: Select to drain water that remains after using Water Jet. When draining is complete, the washing machine switches to Water Save mode automatically. Then, you can choose a cycle.

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06 Delay End	Delay the end of any cycle for up to 19 hours in one-hour increments. Displayed hour indicates the time the wash will be ended.
07 Wash	Press this button to only perform a wash cycle or to adjust the wash time.
08 Rinse	Press this button to only perform a rinse cycle or to adjust the rinse count.
09 Spin	Press this button to perform a spin cycle only or to adjust the spin time. You can set the spin time from between 1 to 9 minutes. When only a spin is selected, the spin time will be different from the total remaining time. This is because the total remaining time includes the actual spin time and the times for water draining and stopping.
10 Power	Press once to turn your washer on. Press again to turn your washer off. If the washer is left on for more than 10 minutes without any buttons being pressed, the power automatically turns off.
11 Start/Pause	Press to pause and restart cycles.

Cycle overview

Cycle	Description
NORMAL	For most fabrics including cottons, linens, and normally soiled garments.
LAST SETTING	Selects this cycle to load the settings for the last cycle. Perform a wash cycle using the last used settings without having to enter them manually again. Your choices are automatically saved when you press the Start/Pause button. To use a memorized cycle, press the Last Setting button and then press the Start/Pause button.
DELICATES	This cycle is for washing delicate clothes that are easily deformed or damaged and woollen sweaters and cardigans with a water wash sign.
HEAVY DUTY	For sturdy, colorfast fabrics and heavily soiled garments.

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Washing a load of laundry

Cycle	Description
BABY CARE	This cycle washes frequently washed items such as baby clothes and underwear to prevent damage to the fabric and adds extra rinse cycles to ensure cleanness.
BEDDING	For bulky items such as blankets and sheets. When you are washing comforters, use liquid detergent.
QUICK WASH	For lightly soiled garments needed quickly.
40℃ MAGIC CLEAN	This cycle effectively removes dirt using a customized water temperature.
60℃ MAGIC CLEAN	This cycle effectively removes dirt using a customized water temperature.
RINSE + SPIN	Use for loads that need rinsing only or to add rinse-added fabric softener to a load.
ECO TUB CLEAN	Use this program to clean the tub. It will keep the tub clean and sanitary.

Options

Child Lock

Child Lock prevents children from playing with your washer.

Activating the Child Lock function

Press and hold **Temp.** and **Activ Dual Wash** simultaneously for approximately 3 seconds.

- When you activate the Child Lock function, the **Child Lock** indicator blinks.

Using the Child Lock function

If the lid is opened when the Child Lock function is on, "**dC**" is displayed and an alarm sounds.

- If the water level in the tub is above the safe water level, "**dC**" is displayed on the LED display and the washer starts to drain water by force after 30 seconds. The Power button is disabled while the washing machine drains water in Child Lock mode.
- If the water level in the tub is above the safe water level and the Child Lock function is turned on while the door is open, "**CL**" is displayed on the LED display even if the power of the washer is turned off and the washer drains water by force.

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- Even if the power of the washer is turned off, if the lid is opened while the water level in the tub is above the Reset water level, "**CL**" is displayed on the LED display without the alarm sounding and the washer starts to drain water. When the draining operation finishes, the power is automatically turned off again.
- Even if the Child Lock function is activated, every button works until the door opens.
- After the compulsory drain, the "**CL**" blinks at 1 second intervals and the product enters the "**CL**" mode. (When the product is in the "**CL**" mode, only the **Power** button works.)
- To cancel the "**CL**" mode, you need to turn the power off and then on again.
- To cancel the "**dC**" mode, deactivate the Child Lock function. To deactivate the Child Lock function, press and hold **Temp.** and **Activ Dual Wash** simultaneously for at least 3 seconds.

NOTE

Adding laundry when Child Lock is on

To add laundry, deactivate the Child Lock function. To deactivate the Child Lock function, press and hold **Temp.** and **Activ Dual Wash** simultaneously for at least 3 seconds. See the "**Pause Option**" section on page **33** for additional details.

Deactivating the Child Lock function

Press and hold both **Temp.** and **Activ Dual Wash** simultaneously for approximately 3 seconds.

- When you deactivate the Child Lock function, the **Child Lock** indicator is turned off.
- The Child Lock function prevents children or the infirm from accidently operating the washer and injuring themselves.

⚠ WARNING

If a child enters the washer, the child may become trapped and suffocate.

⚠ CAUTION

- Once you have activated the Child Lock function, it continues working even if the power is turned off.
- Forcing the lid open can result in injury or damage to the product.

NOTE

To add laundry after you have activated the Child Lock function, you must first deactivate the Child Lock function.

Sound *

The Sound Off function can be selected during all cycles.

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Washing a load of laundry

Garment Plus

You can add or take out laundry items even after the wash has started, as long as the Garment Plus indicator is on. Pressing Start/Pause unlocks the lid. If you open the lid and want to continue the wash cycle, close the lid, and then press Start/Pause.

Delay End

You can set the washer to start your wash automatically at a later time, by choosing a delay time.
The hour displayed indicates the time at which the wash will be ended.

1. Set your wash cycle.
2. Press Delay End repeatedly until the delay time is set.
3. Press Start/Pause. The "Delay End" indicator will be lit, and the clock will begin counting down until it reaches the set time.
4. To cancel a Delay End function, press the Power button and then turn the washer on again.

Mist Shower

Mist Shower sprays water from a nozzle that is independent of the main water supply system. It states that is soaks the laundry with water from the beginning of the rinse cycle and ensures an effective wash, but it's not part of the wash cycle, it's part of the rinse cycle, so this needs to state that it ensures an effective rinse.
(The Mist Shower function may not work if there is too large of a load in the machine.)

Smart Check *

This function enables you to check the status of the washer using a smartphone.

1. To enable the Smart Check function, press and hold Activ Dual Wash and Spin for 3 seconds after turning the power on or when an error occurs.

NOTE

The error code history is deleted after you use this function.

2. The Smart Check indicator is lit on the display.
3. Run the Smart Check app on your smart phone.
   - Android: Galaxy S series, Galaxy Note series. (Other devices may not be normal operation).
     Supported OS : Android 2.2 or higher
   - iOS: iPhone series
     Supported OS : iOS 4.3 or higher
4. Focus your smart phone's camera on the display panel of the washer.
5. If the smart phone's camera is focused on the display panel of the washer, the panel and error message is automatically recognized and the error type and countermeasures are displayed on the smart phone.
6. If the smartphone fails to recognize the error code more than twice, please enter the error code displayed on the display panel of the washer manually into the Smart Check app.

NOTE

Downloading the Smart Check app

- Download the Samsung Laundry App into your mobile phone from the Android market or Apple App store. (Search word : Samsung Smart Washer/ Dryer)

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NOTE

Precautions when using Smart Check

- If light from a light bulb, fluorescent bulb, or lamp is reflected on the display panel of the washer, the smartphone may not be able to recognize the panel or error message easily.
- If you hold the smartphone at too large an angle relative to the front of the display panel, it may not be able to recognize the error code. For best results, hold the smartphone so that the front of the panel and the smartphone are parallel or nearly parallel.

Washing clothes using the cycle selector

Your new washer makes washing clothes easy, using Samsung's "Fuzzy Control" automatic control system. When you select a wash program, the machine will set the correct temperature, washing time, and washing speed.

1. Press **Power**.
2. Open the lid.
3. Load the articles of clothing one at a time loosely into the drum, without overfilling it.
4. Add liquid (or powder) detergent, softener, and/or bleach (if necessary) to the appropriate compartments. See the "**Detergent use**" section on page 37.
5. Close the lid.
6. Use the **Cycle Selector** to select the appropriate cycle according to the type of material: **NORMAL**, **LAST SETTING**, **DELICATES, HEAVY DUTY**, **BABY CARE**, **BEDDING**, **QUICK WASH**, **40℃ MAGIC CLEAN**, **60℃ MAGIC CLEAN**, **RINSE+SPIN** and **ECO TUB CLEAN**. The relevant indicators will illuminate on the control panel.
7. At this time, you can control the wash temperature, the number of rinse cycles, the spinning time, and the delay time by pressing the appropriate option button.
8. Press **Start/Pause** and the wash will begin. The process indicator will light up and the remaining time for the cycle will appear in the display.

Pause Option

To remove or add laundry items, follow these steps:

1. Press **Start/Pause** to unlock the lid.

NOTE

The lid cannot be opened when the water is too HOT.

2. Remove or add laundry items.
3. Close the lid, and then press **Start/Pause** to restart the wash.

NOTE

If you have Child Lock on, you must deactivate it first. See page **30-31**.

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Washing a load of laundry

When the cycle is finished:

After the total cycle has finished, the power will turn off automatically.

1. Open the lid.
2. Remove laundry.

ATC (Auto Temperature Control)

ATC is the control function that the washer controls water temperature with temperature sensor (thermistor).

NOTE

Because there are numerous water temperatures depending on the customer's environments (cold areas, warm areas, various water temperatures, settings of heater temperature, etc.), ATC function in our washer maintains the certain level of wash temperature to output the best washing performance at each cycle.

NOTE

If you select **NORMAL**, this cycle is the regulation and UL cycle. Since new washers must reduce the amount of energy usage as a first priority, customers will notice more cold water entering the washer. But, this is normal, not a problem.
In those regulation cycles, Hot temperature is similar to acceptable adult bath-water temperature and warm temperature is similar to comfortable swimming-pool water temperature.

NOTE

If customers want to wash clothes in specific water temperatures, customers should choose a different cycle at each temperature (Hot/Warm).

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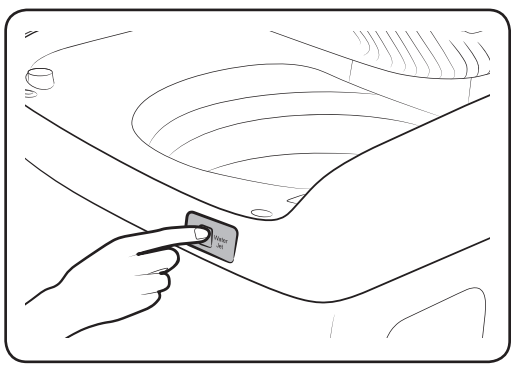
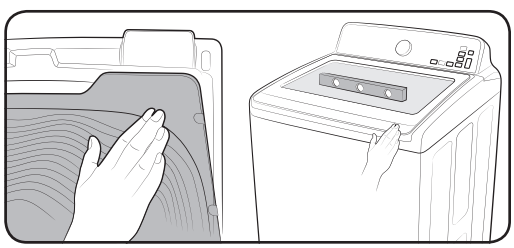
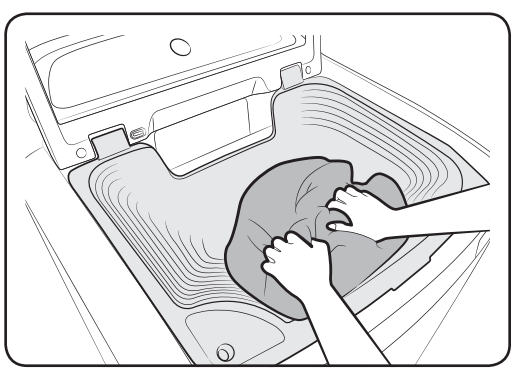
The basics

Prewash (Water Jet & Built-in sink)







Water Jet and Built-in sink help you handwash before the washing machine starts operation. Water Jet is available only when the door is open with the water level set to less than High. For prewashing, use the Built-in sink that is designed to facilitate the hand-wash.

1. With the door open, lower the Built-in sink . To open only the door, press and release the front right corner of the door. **To close and lock both the door and the Built-in sink, press down the door until you hear a clicking sound**.
2. Put clothes to prewash in it.
3. Press Water Jet to supply water to the Built-in sink, and hand-wash.
4. When done, gently lift up the Built-in sink to drain water into the tub.

NOTE

- If you want to hand-wash while the machine is operating, press Start/Pause to stop operation, and then follow steps 1-4 above.
- If you open both the door and the Builtin sink, lower the Built-in sink manually for prewashing.

[Water Jet stops]

- Water Jet stops operation automatically when the washing machine detects the maximum water level.
- Water Jet stops operation automatically 5 minutes after it begins. To add more water, press Water Jet again to resupply water.

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Washing a load of laundry

[Water Jet drains]

- Select a cycle and press Start/Pause. Then the washing machine drains the water to be used during the prewash.
- When the washing machine is turned off before starting the wash cycle, it drains the water to be used during the prewash. However, when it is turned off during the wash cycle, it does not drain the water.

NOTE

- Water Jet extracts the water through the Mist Shower nozzle for 1 second and then through the Water Jet nozzle from then on when it is first activated after the washing machine turns on.

CAUTION

- Do not abuse Water Jet. Excessive use of Water Jet increases water consumption.
- When running water to the tub, do that gently. Otherwise, water may overflow the tub.
- Use caution when removing laundry from the tub. You may bump your head on the Built-in sink.
- Do not block the outlet of Water Jet with hands. Water may leak outside the tub, causing a system failure.
- Put only clothes to prewash in the Built-in sink. Other items such as shoes, food, or animals can not be used for prewash.
- Do not open the Built-in sink in a hurry. Remaining water in the sink may splash on the door or control panel.
- Due to a difference in air pressure, Water Jet may splash water from its outlet when it is first activated.
- This lid must be closed tightly to do the laundry.

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Detergent use

- The use a good quality top loader detergent is recommended.
- It is also important to:
  Pre-treat stains before washing.
  Sort clothes by color.
  Sort clothes by the amount of soiling.
  Avoid overloading.

NOTE

- When using powdered detergent it is recommended that the powder be dissolved in warm water to ensure optimum cleaning results.
- The detergent/water mixture can be added to either the tub or to the detergent dispenser tray.
- Reducing the amount of detergent used may reduce the effectiveness of the cleaning action.

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Washing a load of laundry

Features

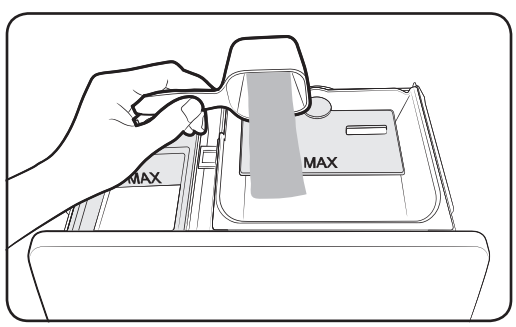
Automatic dispenser

Your washer has separate compartments for dispensing detergent and color-safe bleach and fabric softener. Add all laundry additives to their respective compartments before starting your washer.
The automatic dispenser must always be in place before you start your washer.
DO NOT open the automatic dispenser when your washer is running.

NOTE

- Never exceed the manufacturer's recommendations when adding detergent.
- This compartment holds liquid detergent for the main wash cycle, which is added to the load at the beginning of the cycle.
- When using powdered detergent, remove the liquid detergent compartment from the detergent drawer. The washer will not dispense powdered detergent from the liquid detergent compartment.

To add detergent to the automatic dispenser:



1. Open the dispenser drawer.
2. Load the recommended amount of liquid (or powder) detergent into the detergent compartment before you start your wash.
3. Close the drawer slowly and smoothly to avoid spilling, splashing, or premature dispensing of the contents.

NOTE

It is normal for a small amount of water to remain in the dispenser compartments at the end of the cycle.

NOTE

Do not put chlorine bleach in the dispenser drawer.

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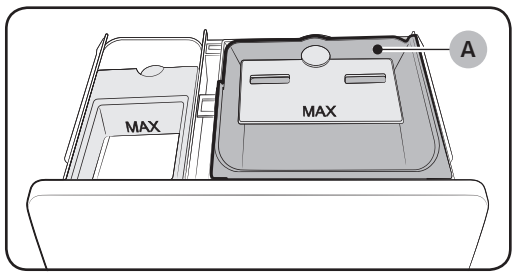
Loading the Liquid (or Powder) detergent compartment



1. Pour the recommended amount of laundry detergent directly into the detergent compartment before starting your washer.
2. If you are using color-safe bleach, add it with the detergent to the detergent compartment.

NOTE

When adding color-safe bleach with detergent, it is best if both laundry products are in the same form – liquid.

NOTE

When using powdered detergent, remove the **liquid detergent compartment (A)** from the detergent drawer. The washer will not dispense powdered detergent from the liquid detergent compartment.

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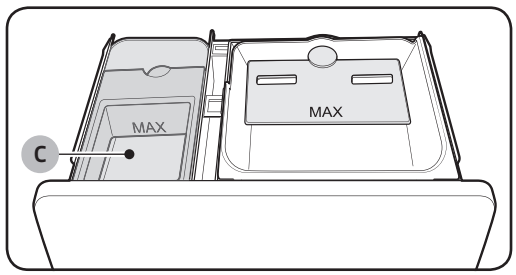
Washing a load of laundry

Loading the fabric softener compartment



1. Pour the recommended amount of liquid fabric softener into the **softener compartment (C)**.
   For smaller loads, use less than one capful.
2. Dilute the fabric softener with water until it reaches MAX FILL in the compartment.
3. The dispenser automatically releases liquid fabric softener at the proper time during the rinse cycle.

NOTE

- Use the softener compartment ONLY for liquid fabric softeners.
- DO NOT use the Downy Ball* in the fabric softener compartment with this washer. It will not add fabric softener at the appropriate time.
  Use the detergent compartment.
  (* Brand names are trademarks of their respective manufacturers.)
- Do not use liquid fabric softener that is too sticky as it may not mix with the water sufficiently.

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Maintaining your washer

Cleaning the exterior

1. Turn off the water faucets after finishing the day's washing.
   This will shut off the water supply to your washer and prevent the unlikely possibility of damage from escaping water. Leave the lid open to allow the inside of your washer to dry out.
2. Use a soft cloth to wipe up all detergent, bleach or other spills as they occur.
3. Clean the following as recommended:
   Control Panel – Clean with a soft, damp cloth. Do not use abrasive powders or cleaning pads. Do not spray cleaners directly on the panel.

Cleaning the interior

Clean the interior of your washer periodically to remove any dirt, soil, odor, mold, mildew, or bacterial residue that may remain in your washer as a result of washing clothes.

Failure to follow these instructions may result in unpleasant conditions, including odors and/or permanent stains on your washer or laundry.
Hard water deposits may be removed, if needed. Use cleaners labeled "Washer safe".

Storing your washer

Washers can be damaged if water is not removed from hoses and internal components before storage.
Prepare your washer for storage as follows:

1. Select the Quick Wash cycle and add bleach to the automatic dispenser. Run your washer through the cycle without a load.
2. Turn the water faucets off and disconnect the inlet hoses.
3. Unplug your washer from the electrical outlet and leave your washer lid open to let air circulate inside the drum.
   If your washer has been stored in below-freezing temperatures, allow time for any leftover water in your washer to thaw out before use.

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Maintaining your washer

Preserving the top cover and the front frame

Do not place any heavy or sharp objects or a detergent box on the washer. They can scratch or damage the top cover of the unit.

NOTE

Since the entire washer has a high-gloss finish, the surface can be scratched or damaged.
Avoid scratching or damaging the surface when using the washer.

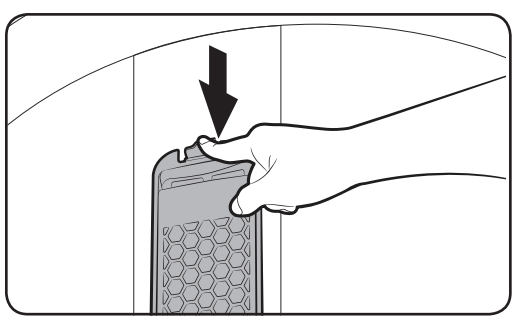
Cleaning the built-in sink and lint filter

Keep the washing machine clean to prevent deteriorated performance and to preserve its life cycle.

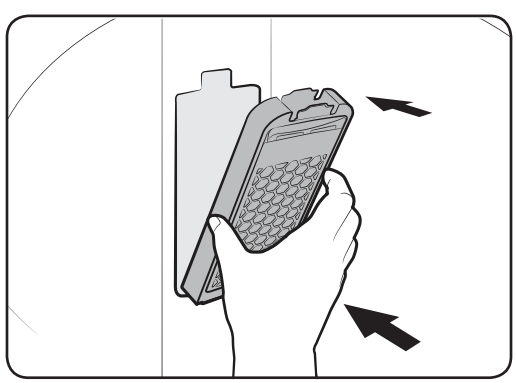
Built-in sink

1. Open the door, and use a cloth or sponge to clean the Built-in sink.
2. Press Water Jet to supply water to the board. Use this water to rinse the board.

Lint filter



1. Press down the upper area of the filter case to remove.
2. Unlock the cover, and clean the filter with running water and a brush.



3. When cleaning is complete, close the cover and reinsert the filter case to the original position. You will hear a clicking sound when the filter case fits in.

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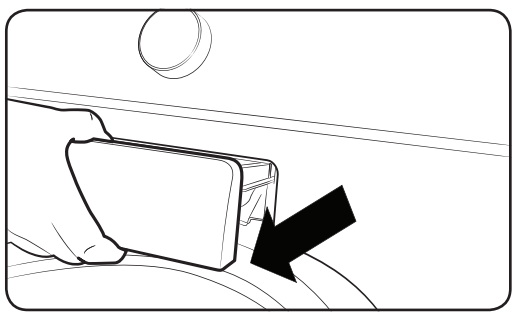
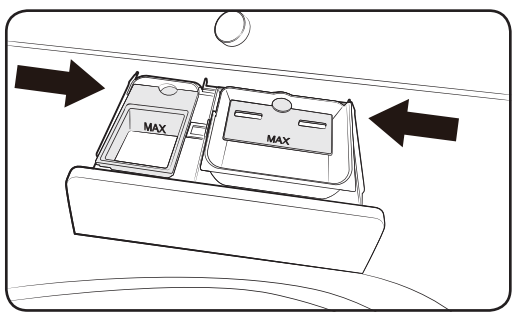
Cleaning the dispensers

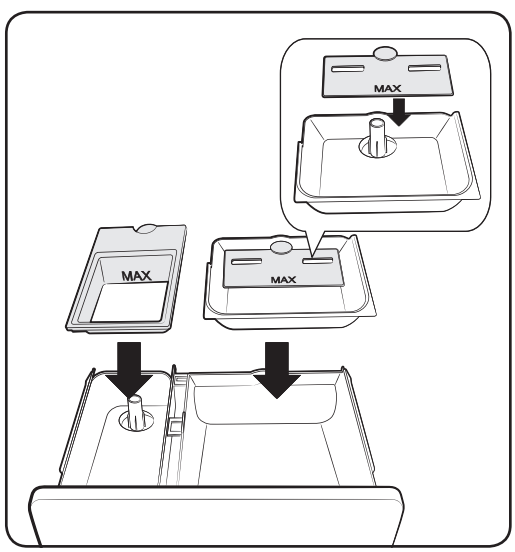


The automatic dispenser may need to be cleaned periodically due to laundry additive buildup.

1. Pull the dispenser drawer straight back until it stops.



2. Push the ends of each side of the case at the same time.
When you feel the ends push, pull out the dispenser drawer.



3. Remove the inserts from the 3 compartments. Rinse the inserts and the drawer with warm water to remove traces of accumulated laundry products.

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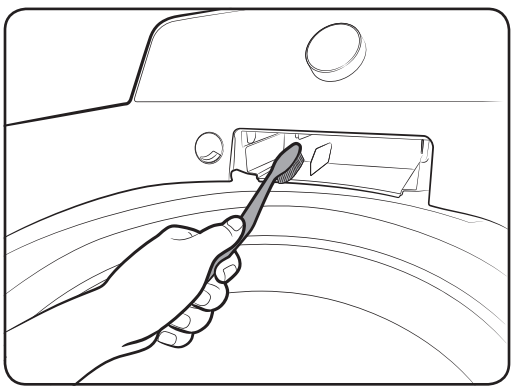
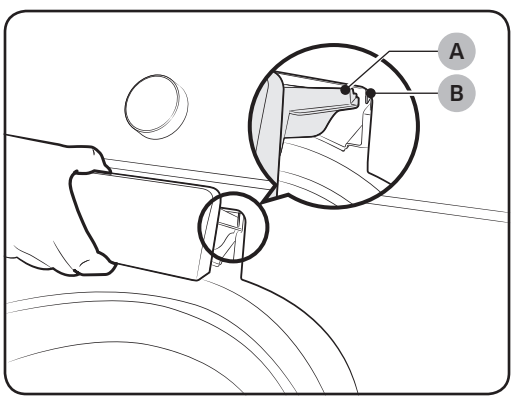
Maintaining your washer



4. To clean the drawer opening, use a small, non-metal brush to clean the recess. Remove all residue from the upper and lower parts of the recess.



5. Return the inserts to the proper compartments and replace the drawer by placing the **dispenser drawer rail (B)** on top of the **compartment rail (A)** (Tilt the dispenser drawer downward and insert it).
Then push the drawer in firmly and slowly.

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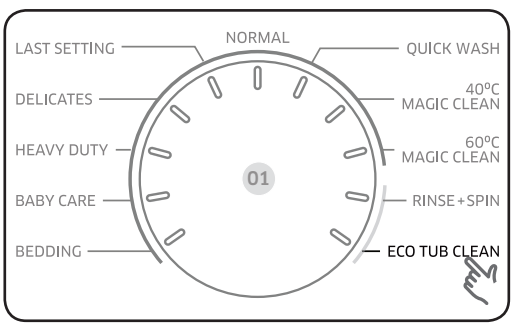
Eco Tub clean



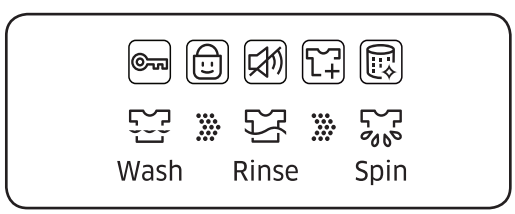
ECO TUB CLEAN is a self-cleaning cycle that removes mold that may occur inside the washer.

1. Press **Power**.
2. Select **ECO TUB CLEAN**.
   Once **ECO TUB CLEAN** is selected, the only function that can be set is Delay End.
3. Press **Start/Pause**.
   ECO TUB CLEAN begins.

⚠ CAUTION

- Using ECO TUB CLEAN, you can clean the drum without using a cleansing agent.
- Never use ECO TUB CLEAN when laundry is in the washer. This may cause damage to the laundry or a problem with the washer.

ECO TUB CLEAN Auto Indicator function



- If the **ECO TUB CLEAN** indicator is lit after a wash, it indicates that tub (drum) cleaning is required. In this case, remove the laundry from the washer, turn the power on, and clean the drum by running ECO TUB CLEAN.
- If you do not run ECO TUB CLEAN, the **ECO TUB CLEAN** indicator turns off. However, the **ECO TUB CLEAN** indicator will light again after two washes. Not running ECO TUB CLEAN at this point will not cause a problem with the washer.
- Although the **ECO TUB CLEAN** indicator is lit once a month or so, the frequency may differ depending on the number of times the washer is used.

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Troubleshooting

Checkpoints

If you encounter a problem with the washer, first check the table below and try the suggestions.

Problem	Action
Does not turn on.	• Make sure you use rated power for the product. • Make sure the power cord is completely plugged in. • Check the fuse or reset the circuit breaker.
Does not start.	• Make sure the door is closed. • Make sure the water taps are open. • Make sure to press or tap Start/Pause to start the washing machine. • Make sure Child Lock is not activated. • Before the washing machine starts to fill, it will make a series of clicking noises to check the door lock and does a quick drain. • Was the door opened during the spinning cycle? Close the door, and press or tap Start/Pause to resume. • The machine enters Standby or is in a soaking cycle. Please wait. • Check the fuse or reset the circuit breaker
Water is not supplied.	• Make sure you press or tap Start/Pause after selecting the water supply. • Make sure the water taps are open. • Is the filter net at the water supply hose connector clogged? Clean the filter net by brushing with a toothbrush. • Is the water supply cut off? If the water supply is cut off, close the tap and power off. • Straighten the water supply hoses. • Open and close the door, then press or tap Start/Pause. • If the water pressure is low, it takes longer to start washing. • If the water level is not as high as necessary or lower than expected, use the level selector to adjust the water level.
After a cycle, detergent remains in the automatic dispenser.	• Make sure the washing machine is running with sufficient water pressure. • Make sure the detergent drawer is properly inserted. • Remove and clean the detergent drawer, and then try again.

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Problem	Action
Vibrates excessively or makes noise.	• Make sure the washing machine is set on a level floor. If the floor is not level, use the levelling feet to adjust the washing machine. • Make sure the washing machine is not contacting any other object. • Make sure the laundry load is balanced. • Make sure the laundry is spread evenly in the washing machine. Spread out the laundry evenly and start again. • Make sure the space around the washing machine is free of objects. • Humming is produced normally during operation. • Objects such as coins can cause noise. Remove these objects from the washing machine after washing is complete.
Stops.	• Plug the power cord into a live electrical outlet. • Check the fuse or reset the circuit breaker. • Close the door, and press or tap Start/Pause to start the washing machine. For your safety, the washing machine will not spin unless the door is closed. • Before the washing machine starts to fill, it will make a series of clicking noises to check the door lock and does a quick drain. • There may be a pause or soak period in the cycle. Wait briefly and the washing machine may start. • Make sure the inlet hose screens at the taps are not clogged. Periodically clean the screens. • This problem occurs temporarily due to low voltages, and will be solved when power recovers.

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Troubleshooting

Problem	Action
Fills with the wrong temperature water.	• Fully open both water taps. • Make sure the temperature selection is correct. • Make sure the hoses are connected to the correct water taps. Flush water lines. • Disconnect the hoses and clean the screens. The hose filter screens may be clogged. • While the washing machine fills, the water temperature may change as the automatic temperature control feature checks incoming water temperature. This is normal. • While the washing machine fills, you may notice just hot and/or just cold water going through the dispenser when cold or warm temperatures are selected. This is a normal function of the automatic temperature control feature as the washing machine determines the water temperature.
Door (Lid) locked or will not open.	• While the washing machine is operating, press or tap Start/Pause to stop the washing machine. • It may take a few moments for the door lock mechanism to disengage.
Does not drain and/or spin.	• Check the fuse or reset the circuit breaker. • Make sure the electrical voltage is normal. • Make sure the washing machine is plugged in. • Make sure the drain hose is pointed downward. (Natural drain models only) • Make sure the drain hose is not clogged. • Make sure the drain hose is not kinked. • Straighten the drain hose. If there is a drain restriction, call for service. • Close the door, and press or tap Start/Pause. For your safety, the washing machine will not spin unless the door is closed.
Load is wet at the end of the cycle.	• Use the High or Extra High spin speed. (Applicable model only) • Use high efficiency (HE) detergent to reduce oversudsing. • Load is too small. Small loads (one or two items) may become unbalanced and not spin completely.

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Problem	Action
Leaks water.	• Make sure all hose connections are tight. • Make sure the water supply hose's rubber packing is in the correct position. Screw tightly again. • Make sure the end of the drain hose is correctly inserted and secured to the drain system. • Avoid overloading. • Use high efficiency (HE) detergent to prevent oversudsing. • Make sure the water supply hose is not kinked. • If the water supply is too strong, water may leak. Close the water tap a little. • Make sure water is not leaking from the water tap. If so, repair the water tap.
Excessive suds.	• Use high efficiency (HE) detergent to prevent oversudsing. • Reduce the detergent amount for soft water, small loads, or lightly soiled loads. • Non-HE detergent is not recommended.
The spin basket or drain/supply hose is frozen.	• Use warm water to disconnect the water supply hose and drain hose. Soak them in warm water. • Fill the spin basket with warm water, and then wait for about 10 minutes. • Put a hot towel on the drain hose connector. • Reconnect the water supply hose and drain hose, and check if water is supplied properly.
Water drains out immediately.	• Make sure the drain hose is not clogged, and is hung over the drain hose hook. Fill the spin basket halfway with water, and try spinning again. • Lift the end of the drain hose to prevent water from draining. Fill the spin basket halfway with water, and then run spinning after releasing the drain hose. • Make sure the drain hose is installed correctly. See the installation section of this user manual and adjust the position of the drain hose as instructed.
Stains on clothes.	• Clean the magic filter.
Has odours.	• Excessive suds collect in recesses and can cause foul odours. • Run cleansing cycles to sanitize periodically. • Dry the washing machine interior after a cycle has finished.

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Troubleshooting

If a problem persists, contact a local Samsung service center.

Information codes

The washer may display information codes to help you understand what is occurring with your washer better.

No	Code	Action
1	1C	The WaterLevel sensor is not working properly. • Check WaterLevel Sensor wire harness. • If the information code remains, contact a customer service centre. **NOTE** When the washer displays "**1C**", the washer do draining for 3 minutes. During this time, the **Power** button is inoperative.
2	3C	Check the motor for operation. • Try restarting the cycle. • If the problem continues, call for service.
3	4C	Water is not supplied. • Make sure the water taps are open. • Make sure the water hoses are not clogged. • Make sure the water taps are not frozen. • Make sure the washing machine is operating with sufficient water pressure. • Make sure that the cold water tap and the hot water tap are properly connected. • Clean the mesh filter as it may be clogged. **NOTE** When the washer displays "**4C**", the washer do draining for 3 minutes. During this time, the **Power** button is inoperative.
4	4C2	• Make sure the cold water supply hose is firmly connected to the cold water tap. If it is connected to the hot water tap, the laundry may be deformed with some cycles.

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No	Code	Action
5	5C	Water is not draining. • Make sure the drain hose is not frozen or clogged. • Make sure the drain hose is positioned correctly, depending on the connection type. • Clean the debris filter as it may be clogged. • Make sure the drain hose is straightened all the way to the drain system. • If the information code remains, contact a customer service centre.
6	9C1	The electronic control needs to be checked (Over Voltage Error). • Check the PCB and wire harness. • Check if power is supplied properly. • If the information code remains, contact a customer service centre.
7	9C2	Low voltage detected • Check if the power cord is plugged in. • If the information code remains, contact a customer service centre.
8	AC6	Inverter Communication problem • Check the Inverter PCB and wire harness. • If the information code remains, contact a customer service centre.
9	dC	Operating the washer with the door open. • Make sure the door is properly closed. • Make sure laundry is not caught in the door.
10	HC	High temperature heating check • If the information code remains, contact a customer service centre.

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Troubleshooting

No	Code	Action
11	LC	Check the drain hose. • Make sure the end of the drain hose is placed on the floor. • Make sure the drain hose is not clogged. • If the information code remains, contact a customer service centre. **NOTE** When the washer displays "**LC**", the washer do draining for 3 minutes. During this time, the **Power** button is inoperative.
12	OC	Water is overflowed. • Restart after spinning. • If the information code remains on the display, contact a local Samsung service centre.
13	PC	When position of the clutch can't be detected. • If the information code remains, contact a customer service centre.
14	PC1	After position of the clutch is detected, if the signal of the clutch hall goes wrong. • If the information code remains, contact a customer service centre.
15	Ub	Spinning does not work. • Make sure laundry is spread out evenly. • Make sure the washing machine is on a flat, stable surface. • Redistribute the load. If only one item of clothing needs washing, such as a bathrobe or pair of jeans, the final spin result might be unsatisfactory, and an "Ub" check message will be shown in the display.

For any codes not listed above, call 1800-88-9999, 603-77137477.

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Specifications

Fabric care chart

The following symbols provide garment care direction. The clothing care labels include symbols for drying, bleaching, drying and ironing, or dry cleaning when necessary. The use of symbols ensures consistency among garment manufacturers of domestic and imported items. Follow care label directions to optimize garment life and reduce laundering problems.

Wash cycle

	Normal
	Permanent press/Wrinkle resistant/Wrinkle control
	Gentle/Delicates
	Hand wash

Water temperature

•••	Hot
••	Warm
•	Cold

NOTE

This represents appropriate wash water temperatures for various items. The temperature range for Hot is 105° - 125 °F / 41° - 52 °C, for Warm 85° - 105 °F / 29° - 41 °C and for Cold 60° - 85 °F / 16° - 29 °C. (Wash water temperature must be a minimum of 60 °F / 16 °C for detergent activation and effective cleaning.)

The clothes washer can not ensure these temperatures because the actual temperature of the water entering your washer depends on water heater settings and regional water supply temperatures. For example, cold water entering the home in the northern states during winter may be 40 °F / 4 °C which is too cold for effective cleaning. In this situation, you will need to adjust the water temperature by selecting a warm setting, adding some hot water to the MAX FILL line, or using your Washer's heating option, if available.

Bleach

	Any bleach (when needed)
	Only non-chlorine (color-safe) bleach (when needed)
	Tumble dry

Normal

	Permanent press/Wrinkle resistant/Wrinkle control
	Gentle/Delicates

Special instructions

	Line dry/Hang to dry
	Drip dry
	Dry flat

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Specifications

Heat setting

	High
	Medium
	Low
	Any heat
	No heat / Air

Dry-clean

	Dry-clean
	Do not dry-clean
	Line dry / Hang to dry
	Drip dry
	Dry flat

Iron dry or steam temperatures

	High
	Medium
	Low

Warning symbols for laundering

	Do not wash
	Do not wring
	Do not bleach
	Do not tumble dry
	No steam (added to iron)
	Do not iron

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Helping the environment

- Your washer is manufactured from recyclable materials. If you decide to dispose of it, please observe local waste disposal regulations. Cut off the power cord so that the appliance cannot be connected to a power source. Remove the lid so that animals and small children cannot get trapped inside the appliance.
- Do not exceed the detergent quantities recommended in the detergent manufacturers' instructions.
- Use stain removal products and bleaches before the wash cycle only when necessary.
- Save water and electricity by only washing full loads (the exact amount depends upon the program used).

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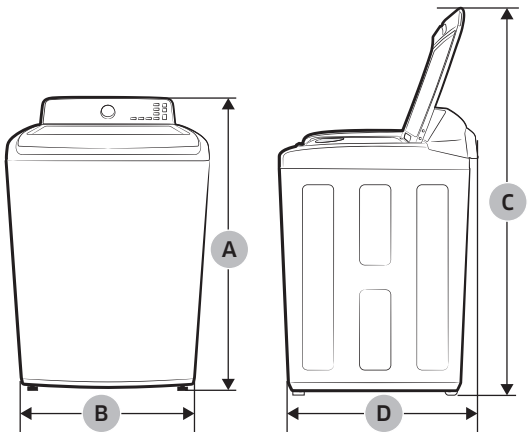
Specifications

Specification sheet



Type		Top loading washer	
Dimensions (inches (cm))	A. Height	45.1 (114.5)	
	B. Width	27.0 (68.6)	
	C. Height with lid open	59.8 (152.0)	
	D. Depth	29.3 (74.4)	
Capacity (kg)		21.0	
Water pressure (psi (kPa))		20 - 116 (137 - 800)	
NET weight (kg)		68	
POWER CONSUMPTION		220 V	1400 W
SPIN REVOLUTION		800 rpm	

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Cycle chart

Use this chart to set the best cycle and options for you laundry.

NOTE

Setting	Water Level		Temp.	Activ Dual Wash
●: factory setting	1	5	H: Hot	Drain
●: can be selected	2	6	W: Warm	Water Save
	3	7	C: Cold	
	4			

Cycle	Water Level							Temp.		
	1	2	3	4	5	6	7	H	W	C
NORMAL	●	●	●	●	●	●	●	●	●	●
DELICATES	●	●	●	●	●	●	●		●	●
HEAVY DUTY	●	●	●	●	●	●	●	●	●	●
BABY CARE	●	●	●	●	●	●	●	●	●	●
BEDDING	●	●	●	●	●	●	●	●	●	●
QUICK WASH	●	●	●	●	●	●	●	●	●	●
40℃ MAGIC CLEAN	●	●	●	●				●	●	●
60℃ MAGIC CLEAN	●	●	●	●				●	●	●
RINSE+SPIN	●	●	●	●	●	●	●	●	●	●
ECO TUB CLEAN					●				●	

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Specifications

Cycle	Options						
	Activ Dual Wash		Last Setting	Delay End	Wash	Rinse	Spin
	Water save	Drain					
NORMAL	●	●	●	●	●	●	●
DELICATES	●	●	●	●			
HEAVY DUTY	●	●	●	●	●	●	●
BABY CARE	●	●	●	●	●	●	●
BEDDING	●	●	●	●	●	●	●
QUICK WASH	●	●	●	●	●	●	●
40℃ MAGIC CLEAN	●	●	●	●	●	●	●
60℃ MAGIC CLEAN	●	●	●	●	●	●	●
RINSE+SPIN	●	●	●	●		●	●
ECO TUB CLEAN	●	●		●			

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Memo

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
MALAYSIA	1800-88-9999 603-77137477 (Overseas contact)	www.samsung.com/my/support

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